From:	Miller, Garyg
To:	Humphrey, Alan; Howard, AshleyA; Grossman, Scott
Cc:	Turner, Philip; Khoury, Ghassan; Coltrain, Katrina; Sanchez, Carlos; Meyer, John; Foster, Anne
Subject:	FW: San Jacinto Dive Team Sample Results.
Date:	Thursday, September 28, 2017 8:48:07 AM
Attachments:	SJRWP - 70900 ng-kg TEQ - PRP Sedmint Sample Results 9-26-2017.pdf Figure 1 v01.pdf Figure 3_Area Mapv01.pdf DRAFT FINAL EPA DIVE 9-22-17 sg ah.docx Tables 1, 2, 3.pdf

Folks,

The San Jacinto PRPs' un-validated sediment sample results are on the link below. The highest was 70,900 ng/kg TEQ for sample number 030EPA (attached). The PRPs state below that "The specific sample location is described as 2-4 inches of aggregate cap material, and two 1 foot by 1 foot areas of river sediment on the surface". Please let me know if this is consistent with your observations during the dive.

Thanks,

Gary Miller
Remedial Project Manager
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214-665-8318
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From: David Keith [mailto:dkeith@anchorqea.com]
Sent: Thursday, September 28, 2017 8:14 AM
To: Miller, Garyg <Miller.Garyg@epa.gov>
Cc: Phil Slowiak <philip.slowiak@ipaper.com>; Dave Moreira <dmoreira@wm.com>; Judy Armour (jarmour@wm.com) <jarmour@wm.com>
Subject: San Jacinto Dive Team Sample Results.

Gary – The unvalidated results of the sampling conducted by the USEPA Dive Team and associated duplicate samples collected by the Orion Marine Dive Team are posted at the links below.

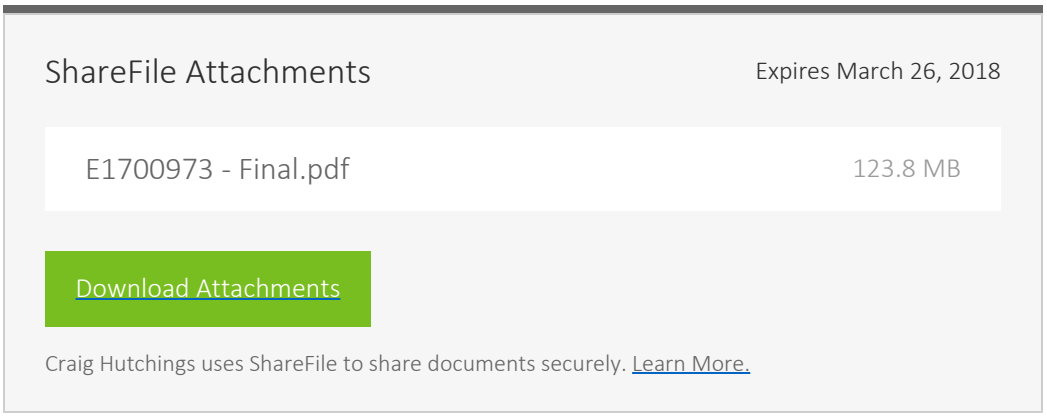
Overall, all of these post-storm assessments demonstrate that there was not a release of material to the environment, and the armored cap performed well.

Of the 28 samples collected, 26 are in the normal range of dioxin and furan TEQ that we have seen in river sediments surrounding the armored cap, and two are higher than the normal range. These two samples are duplicates from the same location. As you know, we performed visual, bathymetric and topographic surveys, and probing inspections to evaluate the integrity of the cap. All of these inspections showed that even though the cap was subjected to flow from a 500+ year storm event, it performed exceptionally well, although it was designed to

withstand a 100-year flood event. Approximately 735 probe inspection points were conducted over the entire cap surface. The area where the higher concentration samples were taken was identified as an area of interest in the probing inspection. The specific sample location is described as 2-4 inches of aggregate cap material, and two 1 foot by 1 foot areas of river sediment on the surface – this represents 0.00016 percent of the total armored cap surface. Per USEPA approval, additional cap materials were placed at this location as part of our cap maintenance activities the week of September 17, 2017. All other areas had cap material in place during the probing inspection. The size of this sample location is very small and localized. The other 26 samples collected during the dive team sampling are within the range of concentrations of TEQ observed in river sediments prior to the storm. The sediment and water samples collected on top of the cap in the western and eastern cell on September 7, and September 11, 2017, also had concentrations that were similar to concentrations observed in the river prior to the storm.

To reiterate, all of these post-storm assessments demonstrate that there was not a release of material to the environment, and the armored cap performed well. It should be noted that the recommendations for cap enhancements for the entire northwestern shoreline, as envisioned under Alternative 3aN (the enhanced cap) in USEPA's Feasibility Study for the Site, addresses the need or enhancements to further stabilize this area to prevent the potential for any future issues. Please don't hesitate to contact me if you want to discuss anything.

The link to the final data package for the sediments collected by the EPA dive team is below:



The link to the final data package for the sediments collected by the Orion dive team is below:

Download Attachments

Craig Hutchings uses ShareFile to share documents securely. Learn More.

Thank you,
David

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